

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P302153

Luminaire Tested: **ZX-WO-29H935-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302153  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-29H935-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

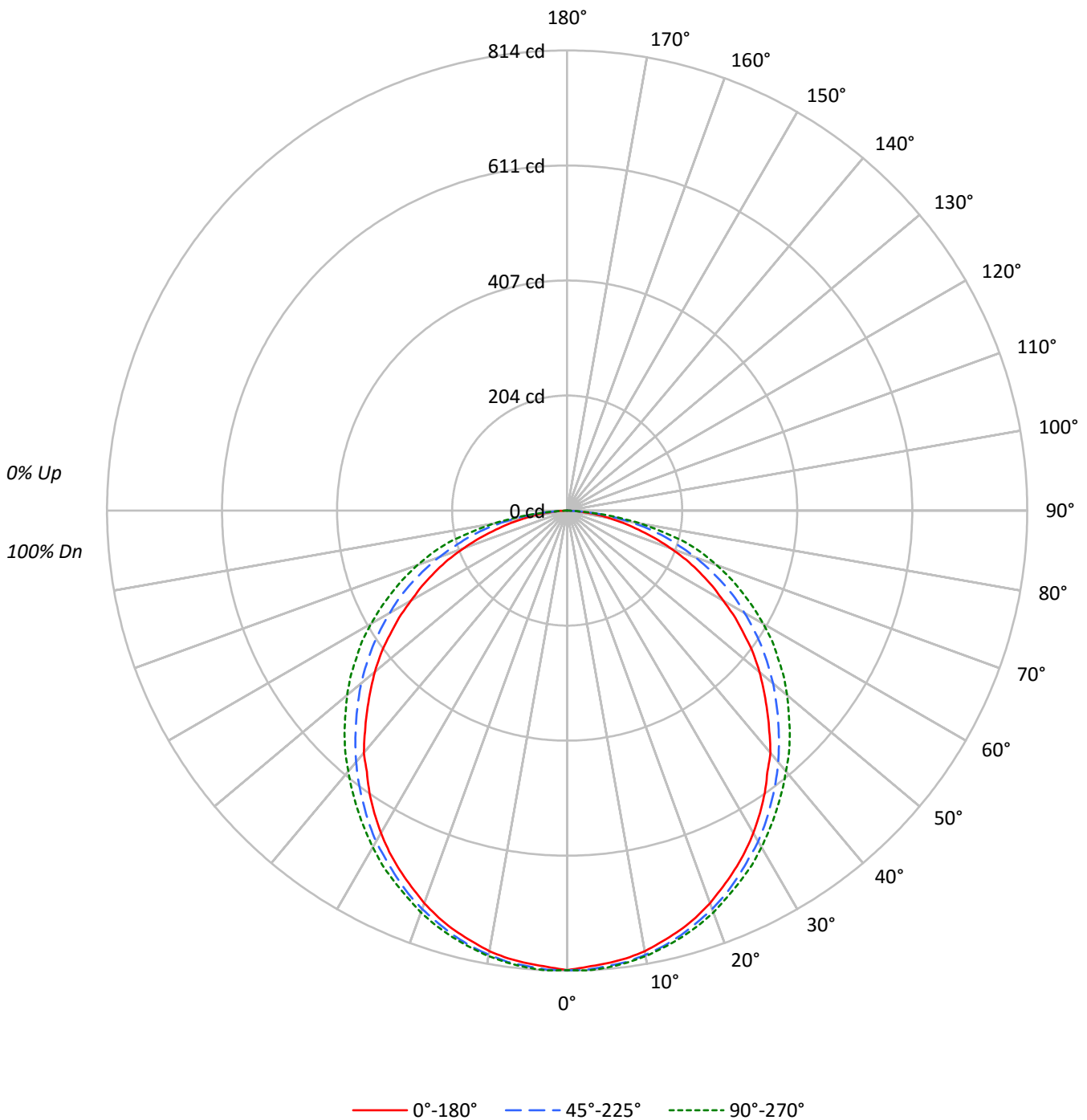
Lumens per Lamp: N/A  
Luminaire Lumens: 2330.0 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2187	2187	2187
5°	2172	2186	2192
10°	2163	2180	2187
15°	2142	2167	2177
20°	2116	2148	2166
25°	2082	2123	2149
30°	2046	2101	2136
35°	2003	2069	2122
40°	1965	2040	2115
45°	1905	2010	2120
50°	1859	1990	2127
55°	1795	1971	2137
60°	1715	1951	2154
65°	1645	1933	2173
70°	1530	1895	2211
75°	1357	1852	2256
80°	1147	1729	2041
85°	812	1201	1161



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	3.3
10°-20°	219.0	9.4
20°-30°	329.1	14.1
30°-40°	393.7	16.9
40°-50°	408.2	17.5
50°-60°	375.5	16.1
60°-70°	298.0	12.8
70°-80°	184.0	7.9
80°-90°	45.7	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	624.9	26.8
0°-40°	1018.6	43.7
0°-60°	1802.3	77.3
0°-90°	2330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2330.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	804	807	809	812	812	76
15°	769	772	778	782	782	217
25°	701	706	715	722	724	323
35°	610	616	630	642	646	381
45°	500	509	528	549	557	387
55°	383	393	420	449	455	342
65°	258	270	304	332	341	256
75°	130	148	178	206	217	140
85°	26	34	39	39	38	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	812.9	812.9	812.9	812.9	812.9
2.5°	807.8	809.1	812.9	814.1	814.1
5°	804.1	806.6	809.1	811.6	811.6
7.5°	799.1	801.6	805.3	806.6	806.6
10°	791.5	794.0	797.8	800.3	800.3
12.5°	780.2	784.0	789.0	791.5	791.5
15°	769.0	771.5	777.7	781.5	781.5
17.5°	755.2	757.7	763.9	769.0	770.2
20°	738.9	741.4	750.1	755.2	756.4
22.5°	720.0	723.8	733.8	738.9	740.1
25°	701.2	706.2	715.0	722.5	723.8
27.5°	681.1	686.2	694.9	705.0	707.5
30°	658.6	663.6	676.1	684.9	687.4
32.5°	634.7	641.0	653.6	664.8	667.3
35°	609.6	615.9	629.7	642.3	646.0
37.5°	582.0	590.8	605.9	619.7	624.7
40°	559.5	564.5	580.8	597.1	602.1
42.5°	529.4	536.9	554.5	573.3	580.8
45°	500.5	509.3	528.1	549.4	557.0
47.5°	471.7	480.4	501.8	524.3	531.9
50°	444.1	451.6	475.4	500.5	508.0
52.5°	415.2	422.7	447.8	475.4	483.0
55°	382.6	392.6	420.2	449.1	455.4
57.5°	352.5	362.5	391.4	419.0	430.3
60°	318.6	331.2	362.5	390.1	400.2
62.5°	289.8	299.8	334.9	362.5	371.3
65°	258.4	269.7	303.6	332.4	341.2
67.5°	228.3	239.6	272.2	301.1	312.3
70°	194.4	207.0	240.8	269.7	281.0
72.5°	163.1	178.1	208.2	238.3	250.9
75°	130.5	148.0	178.1	205.7	217.0
77.5°	101.6	116.7	145.5	164.3	170.6
80°	74.0	89.1	111.6	124.2	131.7
82.5°	50.2	59.0	76.5	85.3	85.3
85°	26.3	33.9	38.9	38.9	37.6
87.5°	8.8	10.0	7.5	3.8	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)